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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/635,087	08/06/2003	Philip W. Bancroft	26545 USA 7230	
75	590 02/07/2005	EXAMINER		
John A. Chion	ichio, Esquire	BASTIANELLI, JOHN		
Synnestvedt &	Lechner LLP			
Suite 2600			ART UNIT	PAPER NUMBER
1101 Market St	reet	3751		
Philadelphia, P	A 19107-2950		D. TT. 1 () 1 PD 00 /07/000	_

DATE MAILED: 02/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application	on No.	Applicant(s)	OM			
		10/635,08	7	BANCROFT ET A	۸L.			
		Examiner		Art Unit				
		John Bast		3751				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLEMAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period reply within the set or extended period for reply will, by statuting reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no eve ply within the statu d will apply and wil te, cause the appl	ent, however, may a reply be time story minimum of thirty (30) days I expire SIX (6) MONTHS from ication to become ABANDONE	nely filed s will be considered time the mailing date of this o D (35 U.S.C. § 133).	ly. communication.			
Status				•				
1)⊠	Responsive to communication(s) filed on 24 l	November 20	004					
,	This action is FINAL . 2b) This action is non-final.							
3)								
,	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□								
Applicat	ion Papers							
10) ,	The specification is objected to by the Examina The drawing(s) filed on is/are: a) ac applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examination is objected.	ccepted or b) e drawing(s) b ction is require	e held in abeyance. See ed if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 C				
Priority (under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notic	ot(s) Dee of References Cited (PTO-892) Dee of Draftsperson's Patent Drawing Review (PTO-948) The mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08	8)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F	ate	O-152)			
	er No(s)/Mail Date <u>8/6/03</u> .		6) Other:	.,				

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DETAILED ACTION

Election/Restrictions

1. Applicant's election of Species III of Figure 8 in the reply filed on November 24, 2004 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). Claims 1-10, 19-20, 22-26, 36-37, 39-47, 56-57, 59-61, 71-72, and 74-76 are examined below.

Claim Objections

2. Claims 4 and 40 are objected to because of the following informalities: In the claims, "on said one surface" is not referenced in the previous claim. Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-2, 4, 6-10, 19-20, 22-23, 25-26, 36-37, 39-40, 42-43, 45, 47, 56-57, 59-60, 71-72, 74-75 are rejected under 35 U.S.C. 102(b) as being anticipated by Renaud US 4,385,747.

 Renaud discloses a seal adapted for use with a valve having a valve closing member 16 rotatably mounted within a housing 11, said seal 20 having a flexible, resilient loop having a perimeter sealing surface (A to B) and a perimeter mounting surface (C to D) positioned substantially

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opposite to said perimeter sealing surface, said perimeter sealing surface being engageable with one of said valve closing member and said housing to sealingly close said valve, said perimeter mounting surface being engageable with the other of said valve closing member and said housing for mounting said loop within said valve; a first surface (A to D) extending between said perimeter sealing surface and said perimeter mounting surface; a second surface (B to C) positioned opposite to said first surface and extending between said perimeter sealing surface and said perimeter mounting surface; and a channel 28 positioned on one of said first and second surfaces and extending from said perimeter mounting surface toward said perimeters sealing surface. The mounting surface engages the housing. There are a plurality of channels. The loop is circular. The perimeter sealing surface is seen as wedge-shaped, curved or asymmetrical. A void space is seen as positioned on the perimeter mounting surface (28 is seen as part of the perimeter mounting surface) and is seen as defined by a raised surface extending outwardly and extends around the perimeter mounting surface (corner of seal 20 between D and C).

5. Claims 1, 3-10, 22, 24-26, 39-42, 44-47, 59, 61, and 74-76 are rejected under 35 U.S.C. 102(b) as being anticipated by Fawkes US 3,409,269.

Fawkes discloses a seal adapted for use with a valve having a valve closing member 112 rotatably mounted within a housing 110, said seal 130 having a flexible, resilient loop having a perimeter sealing surface 158 and a perimeter mounting surface 152 positioned substantially opposite to said perimeter sealing surface, said perimeter sealing surface being engageable with one of said valve closing member and said housing to sealingly close said valve, said perimeter mounting surface being engageable with the other of said valve closing member and said housing for mounting said loop within said valve; a first surface 147a extending between said perimeter

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sealing surface and said perimeter mounting surface; a second surface 147b positioned opposite to said first surface and extending between said perimeter sealing surface and said perimeter mounting surface; and a channel 154 positioned on one of said first and second surfaces and extending from said perimeter mounting surface toward said perimeters sealing surface. The mounting surface engages the valve. There are a plurality of channels. The loop is circular. The perimeter sealing surface is seen as wedge-shaped, curved or asymmetrical. A void space is seen as positioned on the perimeter mounting surface (the channel is seen as a void space).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Stager, Kubo, and Panigati disclose valves with seals having channels and void spaces.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Bastianelli whose telephone number is (571) 272-4921. The examiner can normally be reached on M-F (9:00-6:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on (571) 272-4835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John Bastianelli Primary Examiner Art Unit 3751

JВ

February 3, 2005